Sequence Listing

<110>   CJ CORP.

<120>   A novel L-threonine importer from Corynebacterium and a
          preparation method of a strain producing L-threonine

<130>   YL04022PCT

<140>   PCT/KR2004/003031
<141>   2004-11-23

<150>   KR2003-0089711
<151>   2003-12-10

<160>   1

<170>   KopatentIn 1.71

<210>   1
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<212>   DNA
<213>   Corynebacterium glutamicum ATCC 13032

<220>
<221>   gene
<222>   (23)..(1168)
<223>   ORF1

<220>
<221>   gene
<222>   (1772)..(3025)
<223>   ORF2, novel L-threonine importer (thrY)

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gaccatgcgt ttcgatgaag aattccagca gcactacggc ggtcgctacc tggtgattca   180

Sequence Listing

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ccgctctgac ctgctcaaca tcctggtcac caacgccgaa gcagcgggcg cgaagctcca        240

caatggcgtc ctggtcaccg attcccgcac cgtcgacggc ggtatcgagg tggacatcga        300

atcctccatc aacaagggcg aagataacaa gactttgctt gtcgacgcct tcctcgcctt        360

cgacggcatc cactcggtca tgcgcaaaaa gcttgtcgac gacgccccg tcgcctcctc         420

ctacgtcgcc taccgcggca cctccaagct ggcagaagac gccgaaatga aggacctgaa        480

atccgtcatc ggctacatcg gaccacacgt gcacttcatc caatacccac tgcgcggcgg        540

agaactcctc aatcaggtcg ccgtctttga atcccagcgt tacctcgatg gacgcaccgc        600

cggcgacatc ccagaagact ggggcaaccc cgaagaatta gaccgcgcct acaaccactg        660

cgaccccttc atccaggacc gtctggacac cctgtggcgc aacaactggt ggcaaatgtc        720

cgaccgcgag cctctagaga actggcgtat cggccgcatg ttgctgcttg gcgacgccgc        780

ccacgcaccc ctccagtacc tcgcctcagg cgcggtcatg gccatggaag acgccgaggc        840

tgtcgccctc ttcgctgccg acgctgcgcg tgctggcaac ctcgattggg aagaggtact        900

cgcagaggtg gaagctgaac gccgaccacg ctgcagccgc atccaaaccg taggccgttt        960

ctggggagag ctctggcatg tggaaggcac cgcacgtctc atccgcaacg aagttttccg       1020

ccaagcagac cgcaatggct ggttcatcta tgcagactgg ctgtggggtt acgatgcatc       1080

caagcgtgcc cacatcgcca accctgagct cggagaaatg ccacaagcac tgaaggaatg       1140

gcgctacgcc ctcctcgaac agaaatagca gcctcacctg ttaagggaaa attgtgtgct       1200

tttcccaggc aggctcttta atgtcgagtt cttaagttcg atttcttaac agcgatttca       1260

gtcggaaaac cggggaaaac cgagcgaaat cgctgttgag aaattgagct tgaggtattg       1320

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Sequence Listing

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agaccagaca ggcgtgacaa gattggcgaa aaagccgagg ttttggcacg tgtgtccggt          1560

ttccaatccc ctaaaccaga cagacgtgcc aaaacctggc gaaaatccag attcttgtca          1620

cgcctgtctg gtttctcctt ttgagcgacc caaaccacgc ccgaaccacc gttccacagc          1680

ccccacgaac cctcaagaca gaaaagatcg caccagccgc atcgagctgg tgcgatcaaa          1740

ccgcagtaaa aactacagaa aatgcgggtt tctacttgtg atgttccaca tccgatggag          1800

tgatgtcgaa ggcaacgcgg tcgtcttctt cgatttcatc tggggaagtg gtgtgcagct          1860

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cggtgccgaa ggagtcaatc gcgatgtaag cggcgatcat gagggcgact tgttcggtgt          1980

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ctggtgcggc gatcatggtg atgcccagca tgaggaggaa tccgatggag aggccgacgc          2100

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cgaggaagat gccgaagatg aagagtggca gcagtgggat gacaaaggcg gtgatggtct          2520

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Sequence Listing

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tttggtggtc tttcagcagc catgggtaga gcgcttggga tgctccgtag gcgatcagac          2760

cggagaagac ggtggacgcg taggcgattg ctgcaacaat gccgagccat ttgccagcgc          2820

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acgagctcat gctctttatg tccatggttg ttccttattt ctaatcaggt gctgtctgag          3060

caatgctcgg cagcgcgtga tggaattttg tgtgcggctt ggaagtgacg ggtcacaagg          3120

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Sequence Listing

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ccagtggtgg tggcgcgcta actaagcgag cctgacacct caagttgttt tcactttgat        3960

gaatttttta aggctcgtac ttcgttcgac gaagaagcgg gccttttgtg gttttttagcc       4020

cacaaccggc aagccctgga tcgaatgaag ctcgcagcga gtaattattt gatgtttccc        4080

agaaaggctt cagccccaca atgatttcct cggtaggtgc cccatgagca cgaatcccca        4140

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